

# Mohamed A Samaha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/24193/publications.pdf>

Version: 2024-02-01

19  
papers

702  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superhydrophobic surfaces: From the lotus leaf to the submarine. <i>Comptes Rendus - Mecanique</i> , 2012, 340, 18-34.	2.1	167
2	Influence of Flow on Longevity of Superhydrophobic Coatings. <i>Langmuir</i> , 2012, 28, 9759-9766.	3.5	97
3	Modeling drag reduction and meniscus stability of superhydrophobic surfaces comprised of random roughness. <i>Physics of Fluids</i> , 2011, 23, .	4.0	84
4	Sustainability of superhydrophobicity under pressure. <i>Physics of Fluids</i> , 2012, 24, .	4.0	61
5	<i>In situ</i> , noninvasive characterization of superhydrophobic coatings. <i>Review of Scientific Instruments</i> , 2011, 82, 045109.	1.3	44
6	Slippery surfaces: A decade of progress. <i>Physics of Fluids</i> , 2021, 33, .	4.0	43
7	Polymeric Slippery Coatings: Nature and Applications. <i>Polymers</i> , 2014, 6, 1266-1311.	4.5	42
8	Fabrication of superhydrophobic fiber coatings by DC-biased AC-electrospinning. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1112-1119.	2.6	36
9	Effects of hydrostatic pressure on the drag reduction of submerged aerogel-particle coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 399, 62-70.	4.7	32
10	Errors in parallel-plate and cone-plate rheometer measurements due to sample underfill. <i>Measurement Science and Technology</i> , 2015, 26, 015301.	2.6	26
11	Turbulent flow around single concentric long capsule in a pipe. <i>Applied Mathematical Modelling</i> , 2010, 34, 2000-2017.	4.2	17
12	Novel method to characterize superhydrophobic coatings. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 315-321.	9.4	17
13	Convective Mass Transfer From Submerged Superhydrophobic Surfaces. <i>International Journal of Flow Control</i> , 2013, 5, 79-88.	0.4	10
14	Salinity effects on the degree of hydrophobicity and longevity for superhydrophobic fibrous coatings. <i>Journal of Applied Polymer Science</i> , 2012, 124, 5021-5026.	2.6	8
15	Passive Natural Convection Augmentation from Horizontal Cylinder Using a Novel Shroud Chimney Configuration. <i>Journal of Thermophysics and Heat Transfer</i> , 2019, 33, 1006-1017.	1.6	7
16	Convective Mass Transfer From Submerged Superhydrophobic Surfaces: Turbulent Flow. <i>International Journal of Flow Control</i> , 2013, 5, 143-152.	0.4	6
17	Modeling Coupled Conduction-Convection Ice Formation on Horizontal Axially Finned and Unfinned Tubes. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017, 139, .	1.5	4
18	Heat Transfer Advancement From Horizontal Cylinder Using Passive Shroud Chimney Configuration: Experimental and Numerical Analysis. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021, 143, .	1.5	1

#	ARTICLE	IF	CITATIONS
19	Homage to a Legendary Dynamicist on His Seventy-Fifth Birthday. Journal of Fluids Engineering, Transactions of the ASME, 2020, 142, .	1.5	0